

→ **estra**

## Product Data-Sheet

No. 9406 - R - 04

Edition: Oct 2009

### 1. Application Sector

**DAMTEC® estra** is the ideal rubber underlay in floating screed /concrete slab systems or underneath rigid floor elements on wooden subfloors.

**DAMTEC® estra** is particularly quick and easy to install and is providing extremely high resistance to compressive loads and outstanding elasticity. It is equally well suited for applications in residential, office and commercial buildings.

### 2. Material

Granules of recycled rubber with PU elastomer bonding agent

### 3. Appearance

colour:	multicolour
surface:	granular texturing

### 4. Dimensions/Tolerances

width:	1250 mm ± 1.5 %
length:	± 1.5 %
available thickness:	4, 6, 8 mm ± 0.3 mm
density:	approx. 820 kg/m <sup>3</sup>

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### 5. Physical Characteristics

tensile strength:	approx. 0.4 N/mm <sup>2</sup>	(EN ISO 1798)
elongation at break:	approx. 50 %	(EN ISO 1798)
service temperature range:	- 30°C bis 80°C	
flammability rating:	B 2	(DIN 4102-1)
heat transmission coefficient:	0.05 m <sup>2</sup> K/W for 6mm slab	(DIN 52612)
dynamic rigidity:	4mm < 90 MN/m <sup>3</sup> 6mm < 70 MN/m <sup>3</sup> 8mm < 60 MN/m <sup>3</sup>	(EN 29052)
deflection under traffic load:	10 % at approx. 15 t /m <sup>2</sup>	(Acc. DIN EN ISO 3386-2)
impact sound improvement:	$\Delta L_w = 19\text{dB}$ with 4mm under screed $\Delta L_w = 20\text{dB}$ with 6mm under screed $\Delta L_w = 21\text{dB}$ with 8mm under screed	(EN ISO 140-8)

### 6. Installation

Installation is to be carried out in accordance with the **DAMTEC®** **estra** installation instructions.

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Page 2/2



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